

APPENDIX 1-8

VIOLATION INFORMATION

Information Can Be Found in Appendix 1-3 of the Horse Canyon
Extension (Lila Canyon) Part "B" Horse Canyon.

Information updated to November 2003

Regrading, Reclamation, Stabilization and Revegetation Plan For Portal and Rock Dust Bin Post Mine Land Use Change (PMLU)

Portal Area : Two portal collars approximately 8' high, 16' wide and 2' thick in the form of an upside down "U" remain in an area not included in Phase II reclamation but designated for post mine land use change. The western most portal has been designated as the Fan portal and the eastern most portal the Man-Way portal (Exhibit A-3). An old metal temporary fan housing exists at the fan portal. An underground rock dust bin located in the portal pad will also be reclaimed.

Reclamation: The old metal fan housing will be dismantled and removed from site. The metal will either be salvaged or disposed of in an approved land fill. The two concrete collars will be removed 3' below ground level. The removed concrete will be disposed of in an approved land fill. The hole left from the removal of the concrete collar, shaped like an upside down "U", will be carefully filled using a track hoe. The fill material will be obtained by lowering the elevation of the pad adjacent to the rock dust bin. The total material needed to fill in the collar holes is less than 15 cyds. To minimize disturbance the material used to fill in the collar holes will be carefully placed with a track-hoe with the majority of the grading being done by hand, blending in with the existing reclaimed slope. The pad area will be lowered less than two feet, not even enough to reflect in the 5' contour lines.

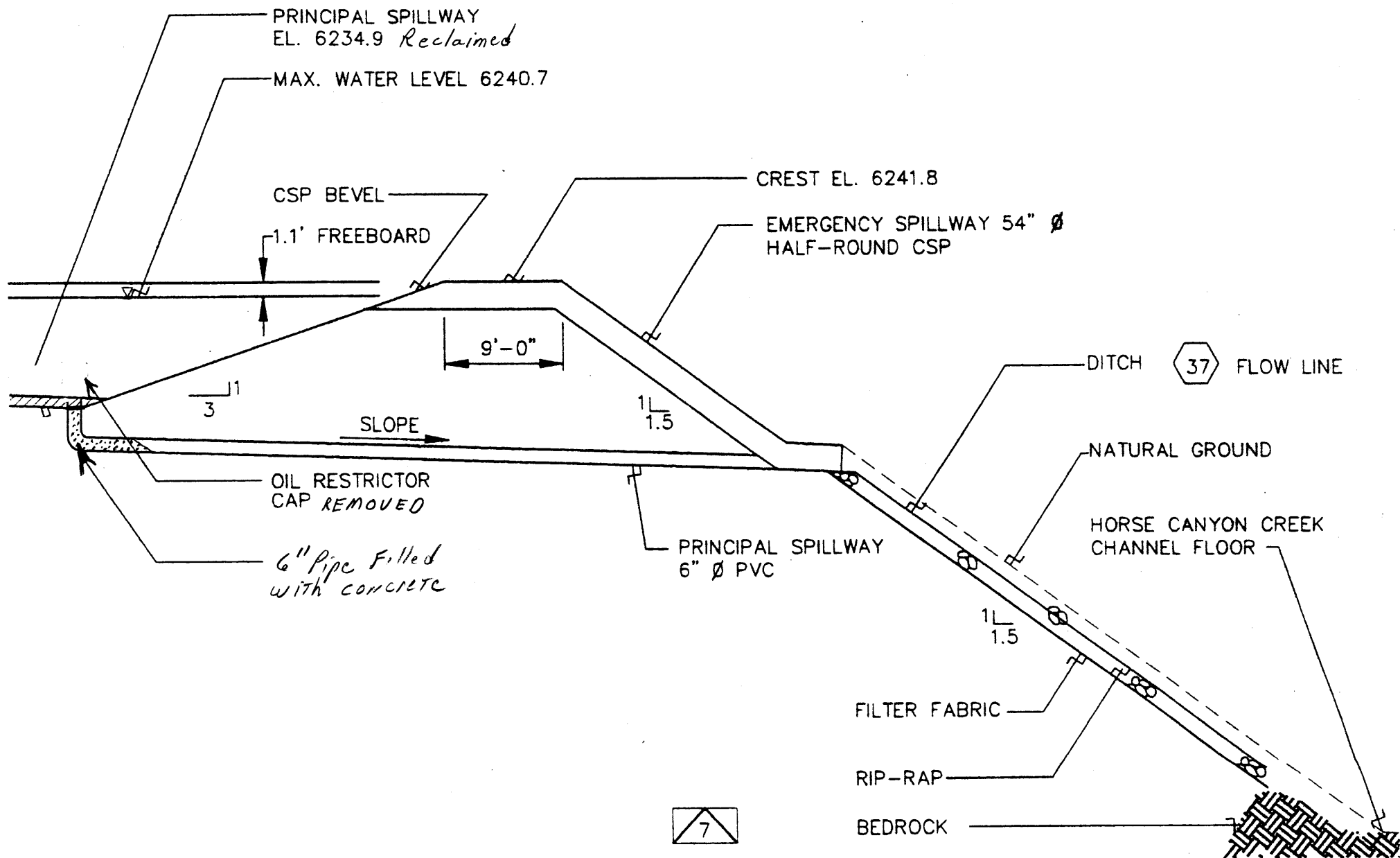
The rock dust bin, which measures approximately 8' by 8' by 8', will be crushed and buried with a minimum of 4' cover. To minimize the fill material needed, the four pallets of rock dust located in the warehouse may be dumped into the bin prior to reclamation. It is estimated that an area of the pad measuring approximately 30 feet by 30 feet by 1' will be graded to fill in the rock dust bin. The grading of the pad will result in the pad being lowered less than two feet, not even enough to reflect in the 5' contour lines. The amount of fill needed is approximately 19 cyds.

Neither major regrading nor slope regrading is anticipated. Efforts will be made to minimize disturbance and to maintain the requested pad area,

Any runoff from the disturbed areas will be channeled using the existing ditch system and contained within sediment pond #2.

Revegetation: Disturbance at the portals are estimated at approximately 200 square feet. The disturbance at the rock dust bin and borrow areas adjacent to the bin are estimated at approximately 900 square feet. Both disturbances result in a disturbance of less than .03 acres. The disturbed area near the removed collars will be hand raked and will blend in to the existing undisturbed reclaimed slope. The area adjacent to the reclaimed rock dust bin will be pocked according to the approved MRP using a track hoe. Both areas will be hand seeded according to the approved MRP. The approved seed mix found in Table 8.4.2.4-1A of the approved MRP. (attached) will be used.

UPDES Point: As a result of conversations between Water Quality and DOGM it was determined that an acceptable way to reclaim the UPDES point was to prevent any discharge from the NPDES location. A simply way to fill in the decant pipe and prevent discharge will be to fill the decant with concrete. Water Quality concerns were to prevent any discharge from the pond. The decant pipe will be cut off at ground level and filled with bentonite to eliminate the potential of discharge. No grading, or Revegetation is anticipated. According to the Price Water Rights office, no water right will be required for the remaining pond. Once the reclamation work has been completed and concurrent with bond release, the NPDES point will be deactivated.



SPILLWAY SECTION

1"=10'

VI - 4B - 1
PMLU

ATTACHMENT #1

Cultural And Historic Resource Discussion Associated with the Post Mine Land Use Change PMLU

UtahAmerican Energy, Inc.
December 2003

Attachment #1

Cultural And Historic Resource Discussion Associated with the Post Mine Land Use Change

BACKGROUND

This discussion is intended to provide a basic description of the Cultural and Historic resources that are included in or adjacent to the area that has been proposed for a PMLU ("Post Mining Land Use Change".) R645-301-411.140 requires a narrative describing the nature of the cultural and historic resources listed or eligible for listing in the National Register of Historic Places within the permit and adjacent areas. This document is to satisfy the requirements of R645-301-411.140.

On July 9, 2003 UEI ("UtahAmerican Energy, Inc.") submitted an application for a change in PMLU ("Post Mining Land Use".) The proposal is to change the post mining land use for certain areas within the Horse Canyon Permit (ACT/013/007 from Wildlife to Residential/Recreational. The areas proposed for the change are shown on Appendixes A-1 thru A-4 of this application. The requested change is to allow for the donation of the effected property to CEU ("College of Eastern Utah"). The property will be donated as soon as practical once the PMLU is approved by the Division of Oil, Gas, and Mining.

The PMLU involves some 16.18 acres. However, the donation will include approximately 900 acres with the potential of additional acres being included once

Phase III bond release has been achieved by the Operator. The Center for Mine Land Redevelopment, University of Utah, has prepared a Phase I Environmental Assessment and a Project Feasibility Study funded by EDA Award No. 05-86-03788. (On file at DOGM)

HISTORY

Horse Canyon was named for the wild horse herds that congregated in the canyon to drink at a natural spring, located not far above the mine site, and which was used to supply fresh water for the mining operation. This spring is believed to be what is now called Reddon Spring. Reddon spring is the only spring in the canyon that has a significant consistent flow.

In June 1878 Samuel Henry Gilson drove a heard of horses up the canyon. He was bringing the animals from his ranch in Juab county to the railroad in Wyoming where he would sell the horses. While camped in the canyon, he took the time to carve into the trunk of a tree, "Sam Gilson by God - June 1878." Sam Gilson made several trips from Juab County to Wyoming but he also became a U.S. Marshal among many things. Sam Gilson's claim to fame, however, is discovery and exploitation of "asphaltum", also known as "Gilsonite". The Sam Gilson by God tree (42Em 1222) is adjacent to but not included in the PMLU and will not be negatively effected by the donation.

The first land interest shown in Horse Canyon occurred on September 26,

1913, when Thomas F. Keeley (or Kelley) and James Ives obtained land patents to the area. Thomas Kelley was a resident of Woodside, and a prominent farmer. Both men maintained co-ownership of the land until 1936 and probably operated a small enterprise, as a small vein of coal from the "Horse Canyon Mine" was tested. The results of the test and location for the mine recorded on an accompanying map were discussed in a report to the Department of the Interior, dated 1909.

After Mr. Kelley's death in 1934, his wife inherited the property. She continued in partnership with James Ives, his wife and Mrs. Kelley's daughter. In 1936, they formed the Cedar ridge Coal company which remained in business until 1942.

As World War II was approaching, the United States Government launched a program to increase the steel production capacity of the nation. After the Pearl Harbor Attack, the government established a policy of establishing steel mills near the sources of raw materials and away from the threatening bomb areas. The entry of the United States into World War II prompted the Defense Plant Corporation to buy the Horse Canyon Mine in June 1942. The plans for constructing a steel plant near Orem, Utah had been in the works since early 1941. The Horse Canyon Mine was now needed to supply coal for the new Geneva Steel Plant.

The construction of the mine was started in the Spring of 1942, and the actual underground work in the coal seam began full operation by October of the

same year. The main development opening were driven while the surface plant was still under construction. The coal that was produced prior to the surface plant being completed was treated by a small capacity temporary tippie. A 1300 foot rock tunnel was driven to the coal seam, and a rotary dumping station was installed. Also, in 1942 the Carbon County Railway Company extended a spur from Columbia to Horse Canyon.

The mine was developed and organized under the general direction of Mr. F.V. Hicks, the first general superintendent. At the end of the war (1946), U.S. Steel bought the Geneva Steel works and inventories for \$47,000,000 and, also, acquired the mine.

The mine complex included many new buildings, transfer house, conveyor, tippie, electrical and machine shops, welding shed, acetylene and oxygen storage house, sand storage, oil storage, warehouse, boiler and heating house, office building, garage, cap house and powder house. These buildings remained in constant use until 1984 when the mine was closed by U.S. Steel Corporation.

On October 15, 1982, U.S. Steel informed DOGM ("Division of Oil, Gas and Mining") that it was temporarily suspending mining operations at the Horse Canyon (Geneva) Mine and followed up with notification of a permanent suspension in January 1984. On February 13, 1987 Kaiser Coal filed a petition for bankruptcy under Chapter 11, Title 11, of the U.S. bankruptcy Code.

On April 5, 1990, Intermountain Power Agency acquired the Horse Canyon

Mine and on July 3, 1990 DOGM executed a reclamation agreement with Intermountain Power Agency secured by a letter of credit and reclamation work began soon after.

The reclamation work proceeded on 51.56 acres of the 74.26 acres in 1990 and 1991. Phase I bond release was granted on February 5, 1997. Phase II bond release was achieved on January 24, 2002 and Phase III bond release work is ongoing. All areas (not included in the original 1990 -1991 Reclamation Project), are included in the PMLU.

On September 1, 1998 UtahAmerican Energy, Inc. Subleased the Horse Canyon Mine and adjacent federal leases from the Intermountain Power Agency. On July 31, 200 UtahAmerican Energy, Inc. Purchased the Horse Canyon assets from the Intermountain Power Agency. This purchase did not include the Carbon County Railroad. UEI is currently pursuing actions which will allow for the mining of coal reserves South of Horse Canyon.

In early 2002 the Center for Mine Land Redevelopment which is associated with the University of Utah, expressed a desire to use the remaining buildings and other facilities for science field camp. In 2003 the Center for Mine Land Redevelopment received funding to prepare a Phase I Environmental Site Assessment and a Feasibility Study for the proposed project. On November 10, 2003 UEI submitted an application for a PMLU change from Wildlife to Residential/Recreation, which will allow for the donation of the property to the

State.

Archaeological Research

An archaeological/historical inventory of the area proposed for donation was performed by Don Southworth and Asa Nielson in 1986. The complete report can be found in the Horse Canyon Permit ACT/007/013, Appendix X-2. The Southworth report was used as basis for most of the information contained within this attachment.

The Southworth archaeological inventory, completed in 1986, was performed to satisfy the archaeological requirements prior to the 1990-1991 reclamation work. The areas inventoried included what is now called the Phase II reclaimed area along with all areas proposed for the PMLU change.

The Southworth survey located and recorded seven cultural resource sites within the project area (Phase II area and PMLU area): five were historic sites and two were prehistoric. The historic sites ranged from National Register quality to non-significant. A summary of the sites identified are shown in Figure V-2 in Appendix X-2 of the Horse Canyon Plan. Their current status follows:

Site Summary

Site No.	Site Type	Cult Affil	Signif/ Natl. Reg.	Recomm. As of 1986	Status After 1990 - 1991 Reclamation
42Em 1222	Inscription	Historical	Yes	Avoid	Avoided
42Em 2096	Mine Facility	Historical	No	None	Reclaimed

42Em 2097	Campsite	Historical	No	None	Reclaimed
42Em 2098	Camp/Dump	Historical	No	None	Reclaimed
42 Em 2099	Mine (Geneva)	Historical	No	None	Not Included In Phase II Reclamation (PMLU) Area
42 Em 2100	Lithic Scatter	Prehist Unknown	No	None	Reclaimed
42Em 2101	Camp	Prehist Numic	No	None	Reclaimed

On June 20, 1990 the Utah State Historic Preservation Office affirmed their previous concurrence with Kaiser Steel's recommendations and allowed for the 1990 - 1991 Horse Canyon reclamation project to proceed. They (SHPO) also stated "All of the sites located within the project area (i.e. the bottom of Horse Canyon from the Geneva Mine to the mouth and the large staging area at the mouth of Middle Canyon just to the north) were determined not eligible at this time."

The 1990 - 1991 Horse Canyon reclamation project reclaimed sites 42Em 2096, 42Em 2097, 42Em 2098, 42Em 2100, and 42Em 2102. Site 42Em 1220 has been placed on the National Register of Historic Places. The Sam Gilson by God Tree, was avoided, as recommend by Southworth. This site will not be included in, or effected in any way, by the proposed PMLU. Details of this site .

Site 42Em 2099, the area of the proposed PMLU, was partially reclaimed in the 1990 - 1991 reclamation project. Some of the structures were left in place for possible future use. Below is a summary of the structures identified by Southworth with notes on their current status.

Structures identified in 42Em 2099

Structure	Status
Wash house (Bathhouse)	To be included in the PMLU
Office building	To be included in the PMLU
Garage	Reclaimed in 1990-1991
Warehouse	To be included in the PMLU
Transformer station	Reclaimed in 1990-1991
Oil storage building	Reclaimed in 1990-1991
Welding shed	Reclaimed in 1990-1991
Sand storage building	Reclaimed in 1990-1991
Electrical and machine shops (Shop)	To be included in the PMLU
Acetylene and oxygen storage building	Reclaimed in 1990-1991
Boiler and heating house	Reclaimed in 1990-1991
Switch house	Reclaimed in 1990-1991
Miscellaneous sheds and buildings	Pump house, Powder & cap magazines, and Water tank to be included in the PMLU. All other reclaimed in 1990-1991.

Status of Remaining Structures

The status of the structures remaining after the 1990 1991 Horse Canyon reclamation project in site 42Em 2099. All the remaining structures were left for potential future mining use. All sites remaining were determined NOT to meet National Register Criteria for age, unique architecture, historic persons or events in 1990. However, an additional time has past and their status may have changed. On November 4, 2003 the Deputy State Historic Preservation Officer, James L.

Dykman, determined "We concur with a No Historic Properties Affected determination" for the PMLU transfer. This does not mean that there are no historic properties involved in the transfer, only that there will be no negative effect on the properties transferred historic or not. In further phone conversations with Mr. Dykman, he felt that the best way to protect the structures at Horse Canyon was to get them into State hands (transfer to CEU). Once the buildings are in State hands they can be protected and that resources should be available to further research and determine the historic value of the buildings.

Again it must be emphasized that the transfer to CEU will in no way negatively effect any historic properties.

Wash house (Bathhouse)

This structure is to be donated to the State and is included in the PMLU change. The College of Eastern Utah ("CEU") has requested that the operator clean out the building and remove any remaining trash. CEU has also requested that all exterior windows be covered up with new plywood and a new exterior door installed. Other than the routine maintenance described the building will be transferred as is. Included are some recent photos of the Bathhouse. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



6/21/2002
Basket Pulleys in Hydrolic Area of Bathhouse



6/21/2002
Hydrolic Room Offices



6/21/2002
Hydrolic Room with Toilets to Right



6/21/2002
Bathhouse Looking N



7/15/2002
Bathhouse Looking S



7/15/2002
Basket Pulleys in Change Room



7/15/2002
Foreman's Change Room (Bathhouse)



8/9/2002
Offices in Bathhouse



2/14/2003
Bathhouse Looking E



2/14/2003
Bathhouse Change Room



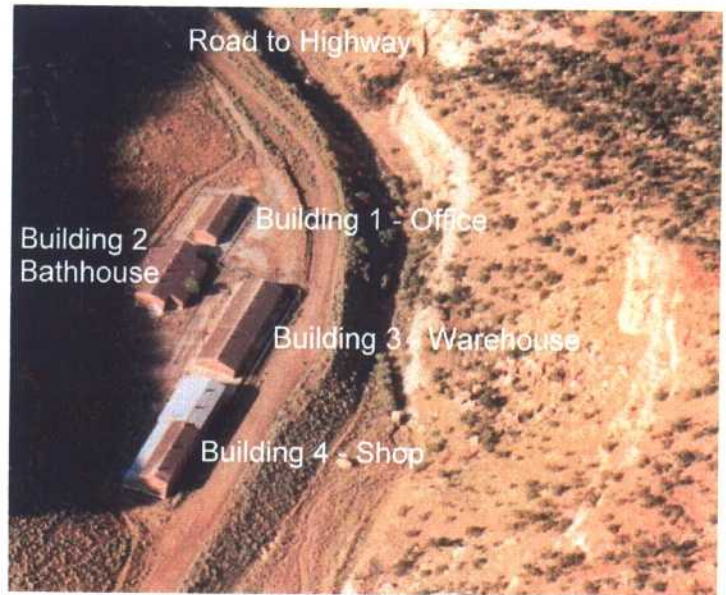
2/14/2003
Bathhouse Showers



2/14/2003
Bathhouse Offices



3/24/2003
Bathhouse Looking NW



7/8/2003
Aerial of Buildings (Looking S)



8/19/2003
Bathhouse Change Room

Office Buildings

The Office Building is to be donated to the State and is included in the PMLU change. The College of Eastern Utah ("CEU") has requested that the operator clean out the building and remove any remaining trash. CEU has also requested that all exterior windows be covered up with new plywood and a new exterior door installed. Other than the routine maintenance described the building will be transferred as is. Included are some recent photos of the Office Building. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



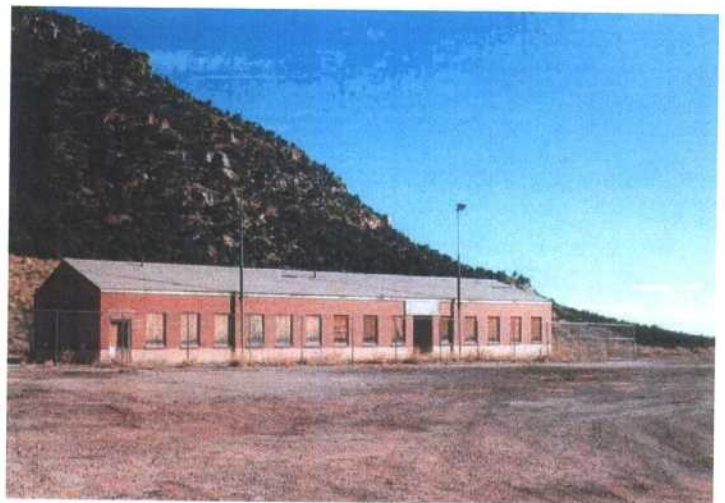
8/9/2002
Office Building Looking SE



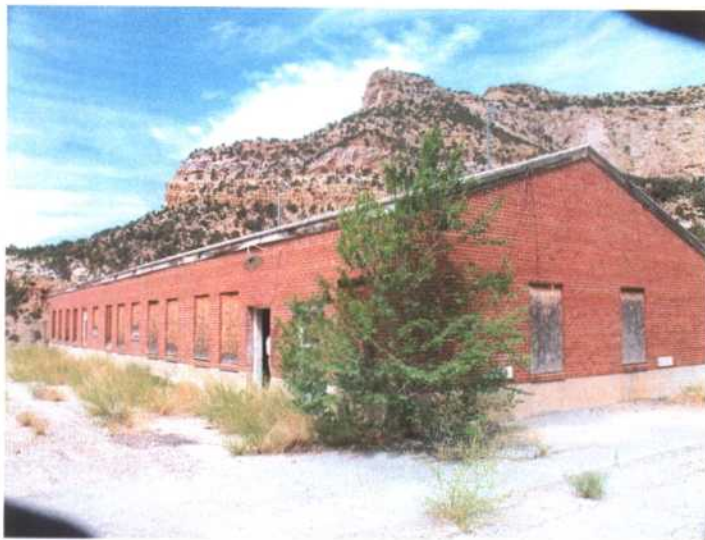
8/15/2002
Office and Warehouse Buildings Looking NE



8/15/2002
Engineering Room in Office Building



2/14/2003
Office Building Looking SE



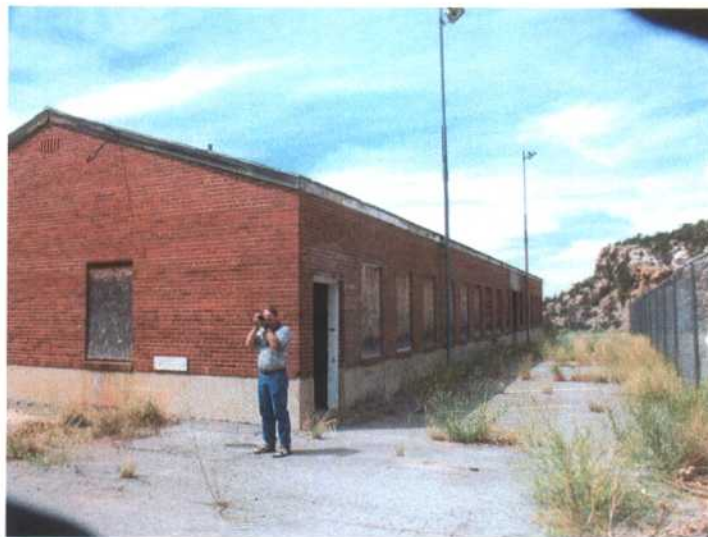
6/21/2002
Office Building Looking W



6/21/2002
Managers Office in Office Building



6/21/2002
Managers Office within Office Building



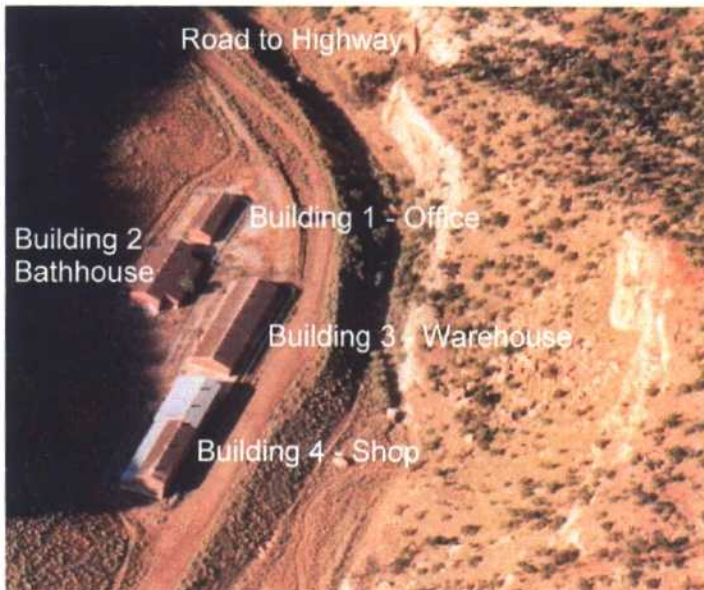
6/21/2002
Office Building Looking S



2/14/2003
Accounting Room in Office Building (Safe on Right)



3/24/2003
Office Building Looking NW



7/8/2003
Aerial of Buildings (Looking S)



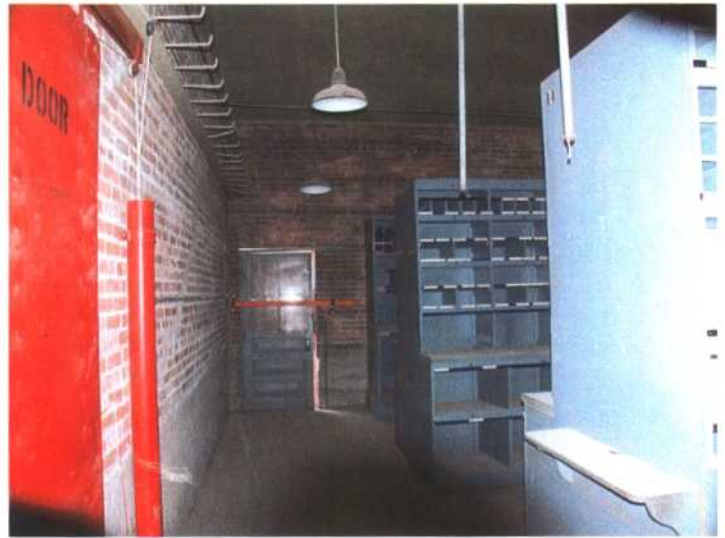
8/25/2003
Safety Room in Office Building

Warehouse

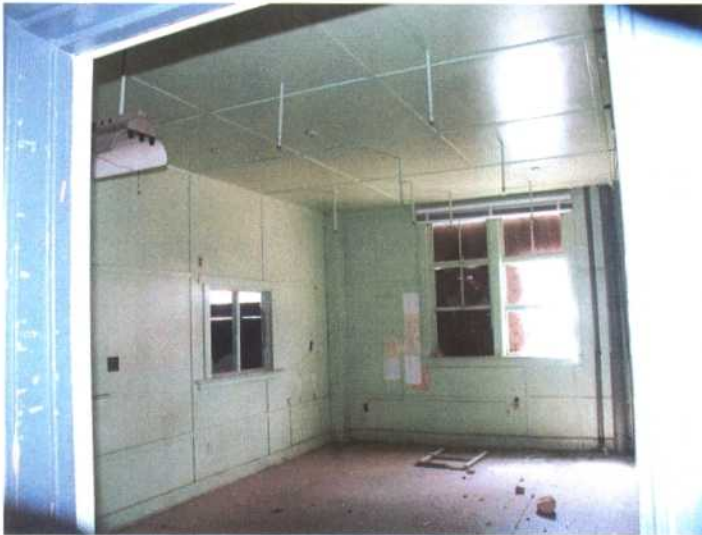
The Warehouse is to be donated to the State and is included in the PMLU change. The College of Eastern Utah ("CEU") has requested that the operator clean out the building and remove any remaining trash. The shelves will remain. CEU has also requested that all exterior windows be covered up with new plywood and a new exterior door installed. Other than the routine maintenance described the building will be transferred as is. Included are some recent photos of the Warehouse. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



6/21/2002
Warehouse



6/21/2002
Warehouse



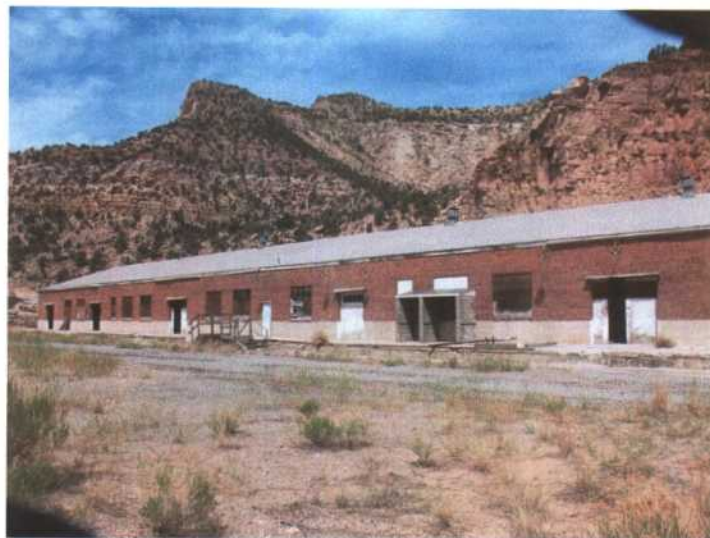
6/21/2002
Receiving Office in Warehouse



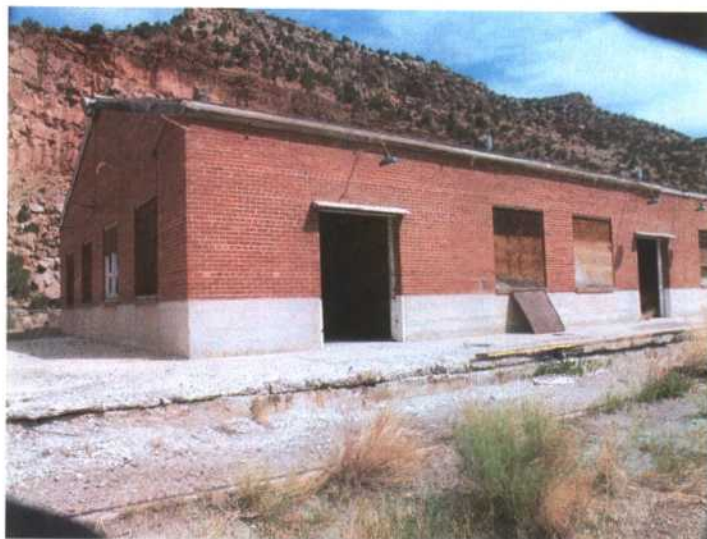
6/21/2002
Warehouse



6/21/2002
Office in Warehouse



6/21/2002
Warehouse Looking W



7/15/2002
Warehouse Looking NW



7/15/2002
Office in Warehouse



8/7/2002
Warehouse Looking S



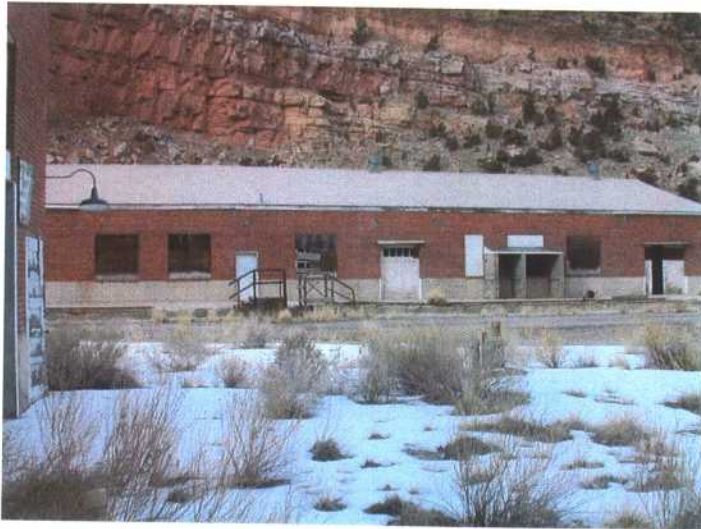
8/9/2002
Warehouse Looking NE



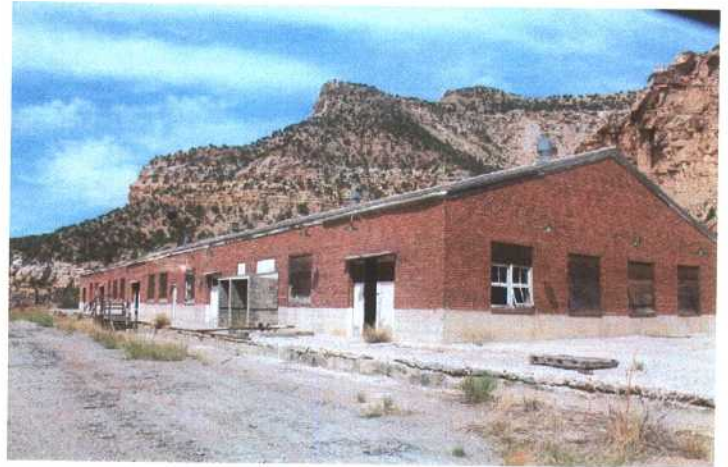
8/9/2002
Warehouse on Right, Bathhouse on Left SW



8/9/2002
Receiving Room South End of Warehouse



2/5/2003
Warehouse Looking W



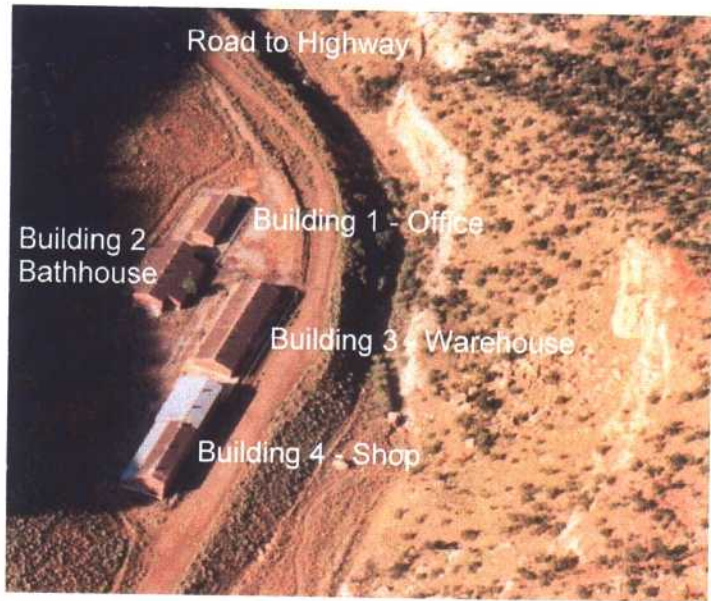
2/14/2003
Warehouse Looking W



2/14/2003
Small Receiving Area SW End of Warehouse



2/14/2003
Wooden Shelves in Warehouse



7/8/2003
Aerial of Buildings (Looking S)

Shop

The shop building is to be donated to the State and is included in the PMLU change. The College of Eastern Utah ("CEU") has requested that the operator clean out the building and remove any remaining trash. CEU has also requested that all exterior windows be covered up with new plywood, and a new exterior door installed. The large overhead shop doors will be closed and secured. The grease pits in the floor will be filled with earthen material. Other than the routine maintenance described, the building will be transferred as is. Included are some recent photos of the Shop. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



3/31/2001
Shop



7/15/2002
Shop



7/15/2002
Shop



8/7/2002
Shop



8/9/2002
Metal Shop Extension



8/9/2002
Interior of Shop Building



8/9/2002
Shop Interior



2/5/2003
Grease Pits in Shop Building



2/5/2003
Metal Extension of Shop Building



2/5/2003
Vent in Shop Building



2/5/2003
Vent in Shop Building



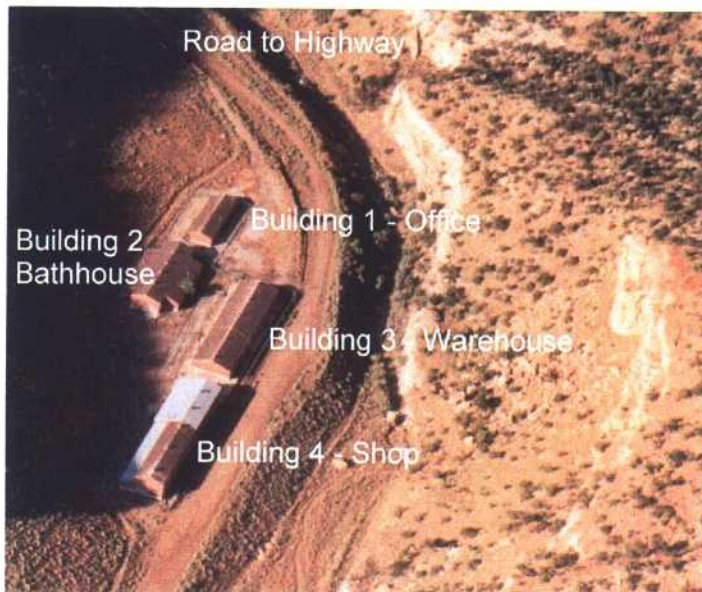
2/14/2003
West End of Metal Shop Extension



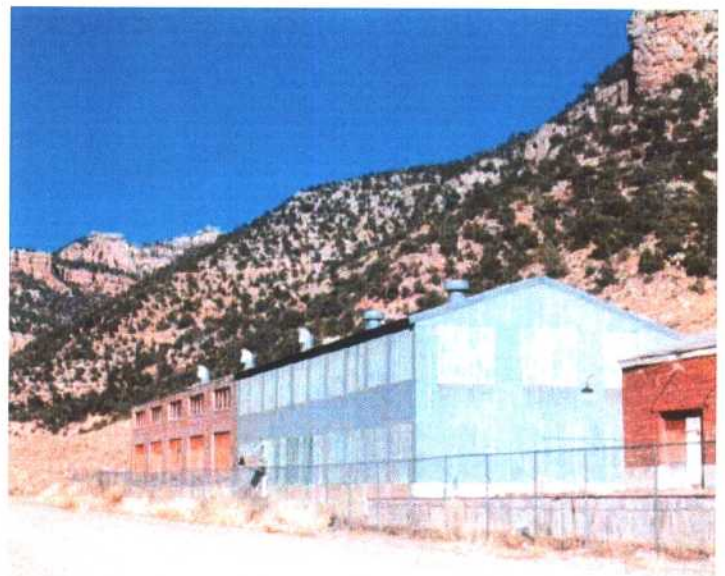
2/14/2003
Interior of Shop Building



2/14/2003
Interior of Shop



7/8/2003
Aerial of Buildings (Looking S)



8/25/2003
Shop and Metal Shop Extension



11/7/2001
North Portal to be Reclaimed For PMLU



11/7/2001
North Portal to be Reclaimed For PMLU



11/7/2001
South Portal to be Reclaimed For PMLU



11/7/2001
South Portal to be Reclaimed For PMLU (Temp Fan Housing)



12/13/2003

Both Portal Collars to be Reclaimed PMLU



12/13/2003

Temp Fan Housing to be Reclaimed PMLU

Miscellaneous Sheds and Buildings

Powder and Cap Magazines

The Powder and Cap Magazines are to be donated to the State as is included in the PMLU change. The College of Eastern Utah ("CEU") has requested that the operator clean out the building and remove any remaining trash. Other than the routine maintenance described the structures will be transferred as is.

Water Tank

The water tank is to be donated to the State and is included in the PMLU change. The structure will be transferred as is.

Pump House

The Pump House is located in Horse Canyon Wash directly across from the surface buildings. The Pump House is to be donated to the State and is included in the PMLU change. The building will be transferred as is.

Included are some recent photos of the miscellaneous sheds and buildings. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



12/13/2003
Cap Magazine to be Reclaimed PMLU



12/13/2003
Pump House to be Donated PMLU



12/13/2003
Water Tank to be Donated PMLU



2/14/2003
Water Tank



3/16/2003
Powder Magazine



3/16/2003
Cap Magazine



12/13/2003
Powder Magazine to be Reclaimed PMLU



6/21/2002
Cap Magazine



6/21/2002
Powder Magazine



2/5/2003
Water Tank



2/14/2003
Powder Magazine

Miscellaneous Photos Prior to 1990-1991 Reclamation

Included are a few black and white photos taken in the area of the 1990 - 1991 Horse Canyon Reclamation Project. These same photos with a higher resolution, and in PDF format, can be found on the CD included with this report.



12/8/2003
Train Loadout (Reclaimed 1990-1991)



12/8/2003
Buildings Prior to 1990-91 Reclamation



12/8/2003
Train Loadout



12/8/2003
Train Loadout



12/8/2003
Train Loadout Looking Toward Buildings



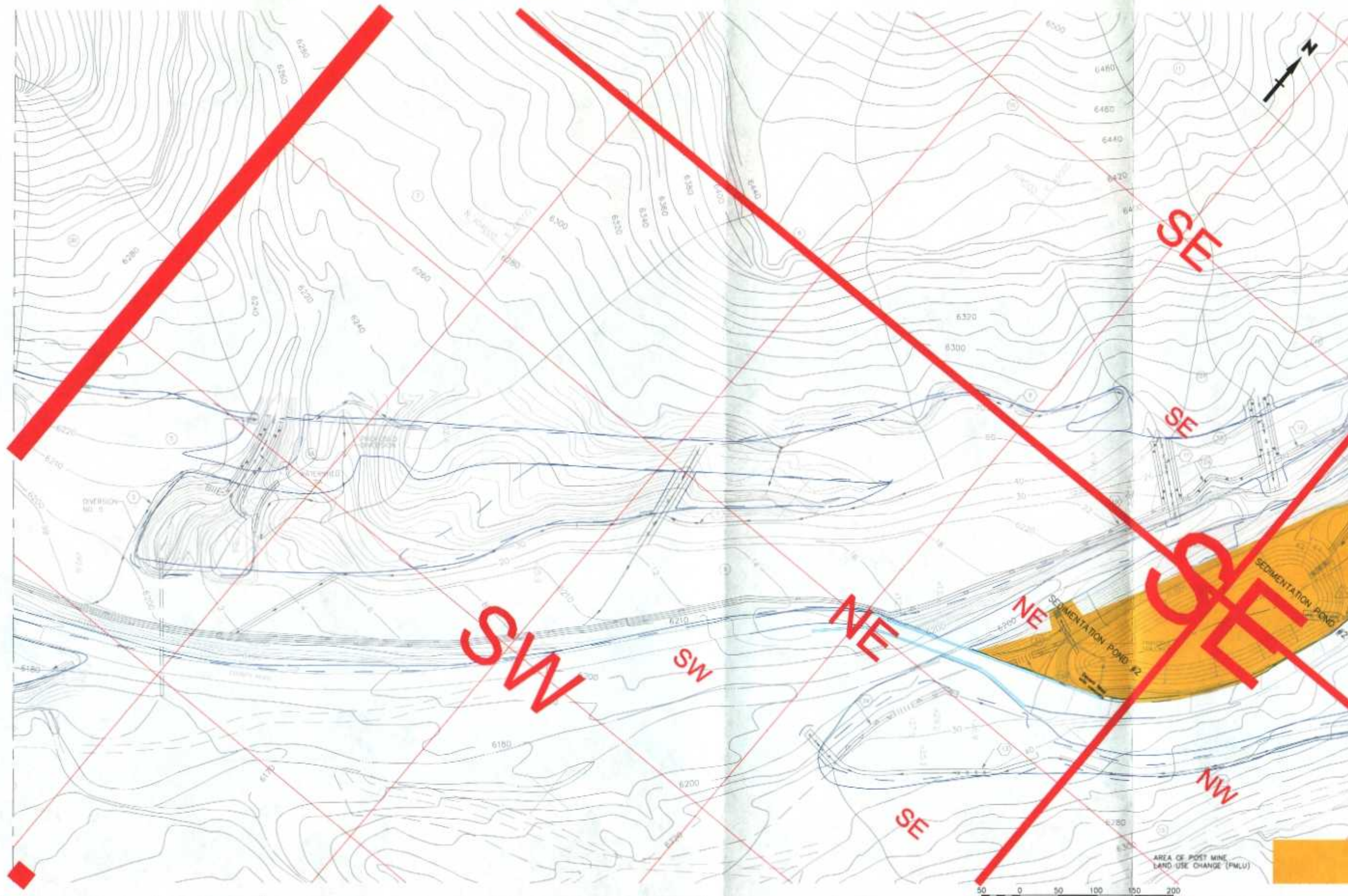
12/8/2003
View Up Canyon Toward Buildings



12/8/2003
Train Loadout

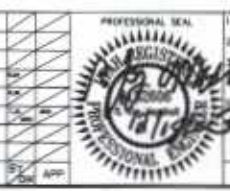


12/8/2003
Down She Comes 1990-91 Reclamation



MATCH LINE SEE EXHIBIT A-2

NO.	DATE	REVISION
1	10-10-80	MATCH LINE CORRECTED DECAT IDENTIFIED
2	11-10-80	AREAS FOR PMU
3	11-10-80	REVISED PER ADDITIONAL AS-BUILT WORK
4	11-10-80	REVISED PER AS-BUILT
5	11-10-80	REVISED PER TECH. REVIEW



FOR LEGEND SEE PLATE M-3, VOL. 3.
 TOPO BASED ON 1980 AERIAL PHOTO BY INTER MOUNTAIN TECHNICAL SERVICES, INC. OF GRAND JUNCTION, COLORADO.
 DATUM IS 1928 SEA LEVEL.
 COORDINATE SYSTEM IS KANSAS STATE LOCAL.
 INTERMOUNTAIN AND FINAL REGULATION TOPOGRAPHY DESIGNED AND DEVELOPED BY KANSAS ENGINEERS, INC., 1980-1981.
 COMPLIANCE TOPOGRAPHY DESIGN AND DEVELOPMENT MODIFIED AND PREPARED BY EARTHFAX ENGINEERING, INC.

SCALE	As Shown	DATE
DESIGNED BY	J. MAHER	7-10-80
DRAWN BY	H.M. NEWATI	10-20-81
CHECKED BY		
APPROVED BY		
DATE		

UTAHAMERICAN ENERGY, INC.
 P.O. BOX 986, PRICE, UTAH 84501

EarthFax Engineering, Inc.
 Engineers/Scientists
 EXHIBIT A-1
 AREA FOR POST MINING LAND USE CHANGE
 HORSE CANYON MINE

BRIGHAM YOUNG UNIVERSITY**Soil and Plant Analysis Laboratory****255 WIDB****Provo, UT 84602****801-422-2147****Plant and Animal Science****Department****SOIL TEST REPORT
AND
RECOMMENDATIONS**

Date: 15-Dec-03

Time: 01:33 PM

Telephone: 650-3157

Name Utah American Energy
 Street P.O. Box 986
 Price UT 84501
 City State Zip

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Matter
10/6/03 14:30 Composite	Turf	7.48	64.56	21.16	14.28	Sandy Loam		

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Phosphorus ppm P	4.81	X					apply 2.1 lbs of P2O5/1000 sq ft
Potassium ppm K	67.20		X				apply 0.9 lbs of K2O/1000 sq ft
Salinity-ECe dS/m	0.58	X					no salinity problem
SAR-Sodium Absorption Ratio	0.90	X					no sodium hazard
Calcium-SAR ppm Ca	76.09						
Magnesium SAR ppm Mg	23.86						
Sodium SAR ppm Na	35.04						

Notes: